INTRODUCTION

Thank you for your selection of this QLINK mechanism series. It represents high technology and reliability, the emission of this vehicle has reached the latest national emission standard, therefore it is a really environment-friendly mechanism that may satisfy the demands of modern society. It has been manufactured technically in accordance with a lot of experience that our company obtained in manufacturing sports, racing and tourist etc. vehicles. And it is just these experiences that have made this mechanism take a large percent in the like products. This User's Manual will help you get to know the operating method of this model of mechanism, and obtain the knowledge relating to operation, basic check-up, service and maintenance etc.. Please contact your dealer or appointed maintenance station when you have problems in using and maintenance.

All configurations and parameters are for reference only, not contracted ones. Please refer to the actual configuration of the manufacturer.

WARNING

This manual should be considered as permanent part of the vehicle and should remain with the vehicle when resold or transferred to a new user or operator , The manual contains important safety information and instructions which should be read carefully before operating the vehicle .

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IMPORTANTINSTRUCTION

Please read this manual and follow its instructions carefully, To emphasize the special information, the symbol ⚠ and the words WARNING or CAUTION have some special Meanings. Pay great attention to the messages

⚠ WARNING

Indicates a potential hazard that could result in death or injury .

CAUTION

Indicates a potential hazard that could result in vehicle damage .

NOTE : Indicating special information which is to make maintenance easier or instructions clearer .WARNING and CAUTION are arranged like this:

⚠ WARNING - or - CAUTION

The first part will identify a POTENTIAL HAZARD . The second part will describe WHAT COULD HAPPEN if you ignore the WARNING or CAUTION . The third part will describe HOW TO AVOID THE HAZARD .

FOREWORD

- This user's manual contains important safety and maintenance imformation. Read if carefully before riding. Failing to follow the warnings contained in this manual could result in INJURY or DEATH.
- It is important that this manual remain with the venicle when you sell it. The next owner need this manual too.
- All informations,illustrations,photographs and specifications contained in this manual are based on the latest product information available at the time of publication. Due to improvements or other changes,there will be some discrepancies in this manual. We reserve the right to make product changes at any time, without notice and without incurring any obligation to makd the same or similar changes to vehicles previously built or sokd.

We believe in conservation and protection of the earth's natural resource. We encourage the every vehicle owner to recycle the vehicle, Or even trade it for several hands if it is on good condition. Make good use of the vehicle by using proper fuel, oil, coolant, battery and tires.

NOTICE TO THE USERS

ATV IS NOT A TOY, IT COULD BE HAZARDOUS TO THE OPERATER The ATV is different from other vehicle including motorcycles and cars. A collision or rollover could occur quickly, even during routine maneuvers such as turning and driving on hills or over obstacles if you fail to take proper precautions.

CAUTION

SEVERE IN JURY OR DEATH can result you do not follow these instructions

- Read this manual and labels of ATV carefully, follow the operation procedures as described.
- Never operate the ATV without proper instruction. **TAKE A TRAINING COURSE** . Beginners should have been trained by a licensed instructor. Always follow this age recommendation:
- Never carry a passenger on an ATV.
- Always avoid operating an ATV on paved surfaces, including sidewalks, paths, parking lots, driveways, and streets.
- Never operate an ATV without wearing an approved crash helmet that fits properly. You should also wear eye protection(goggles or face shield), gloves, boots, long-sleeved shirt or jacket, and long trousers.
- Never operate at excessive speed. Always go at a speed that is proper for the terrain, visibility, operating conditions, your skills and experience.
- Never attempt wheelies, jumps, or other stunts.

- Always inspect your ATV each time before you use it to make sure it is in safe operating condition. Always follow the inspection and maintenance procedures and schedule described in this manual.
- Always keep both hands on the handlebar and both feet on the footrest of the ATV during operating.
- Always go slowly and be extremely careful when operating on unfamiliar terrain. Always be alert to the changing terrain conditions when operating the ATV
- Never operate on excessively rough, slippery or loose terrain until you have learned and practised the necessary skills to control the ATV on such terrain.
- Always follow proper procedures for turning as described in this manual. Practise turning at the low speed before attempting to turn at faster speed. Do not turn at excessive speed.
- Never operate the ATV on hills that is too steep for the ATV or for your abilities. Practise on smaller hill before attempting larger hills.
- Always follow proper procedures for climbing hills as described in this manual. Check the terrain carefully before you start up any hill. Never climb hills with excessively slippery or loose surfaces. Shift your weight forward. Never open the throttle suddenly. Never go over the top lf the hill at high speed.
- Always follow proper procedures for going down hills and for braking on hills as described in this manual. Check the terrain carefully before you start to go down any hill. Shift your weight backward. Never go down a hill at high speed. Avoid going down a hill at an angle that would cause the vehicle to lean sharply to one side. Go straight down the hill if possible.
- Always follow proper procedures for crossing the side of a hill as described in this manual. Avoid running in hills with excessively slippery or loose surfaces, shift your weight to the uphill side of the ATV . Never attempt to turn the ATV around on any hill until you have mastered the turning technique described in this manual on level ground. Avoid crossing the side of a steep hill if possible

- Always use proper procedures if you stall or roll backwards when climbing a hill. To avoid stalling, maintain a steady speed when climbing a hill . If you stall or roll backwards, follow the special procedure for braking described in this manual. Dismount on the uphill side or to a side if pointed straight to uphill. Turn the ATV around and remount, following the procedure described in this manual,
- Always check for obstacles before operating in a new area. Never attempt to operate over large obstacles, such as large rocks or fallen trees. Always follow proper procedures when operating over obstacles as described in this manual.
- Always be careful when skidding or sliding. Learn to safely control skidding or sliding by practising at low speeds and on level, smooth terrain. On extremely slippery surfaces, such as, ice, go slowly and be very cautious in order to avoid out of control when skidding or sliding.
- Never operate an ATV in fast flowing water or in water deeper than that specified in this manual. Remember that wet brakes can rekuce stopping ability. Test your brakes after leaving water. If necessary, apply them for several times to let friction linings dry out.
- Always be sure there are no obstacles or people behind you when you operate in reverse. When it is safe to proceed in reverse, go slowly.
- Always use the tires with proper size and type tires specified in this manual. Always main tain pr oper tire pre ssure as described in this manual.
- Never modify an ATV through improper installation or accessories,
- Never exceed the stated load capacity for an ATV. Cargo should be distributed properly and attached securely. Reduce speed and fpllow instructions in this manual for carrying cargo. Allow longer distance for braking.
- The combined weight of the rider, and any accessories or cargo must never exceed the vehicle' s load capacity of 200lbs,
- Do not tow a trailer. This vehicle is not designed for such use.

LEFT

RIGHT

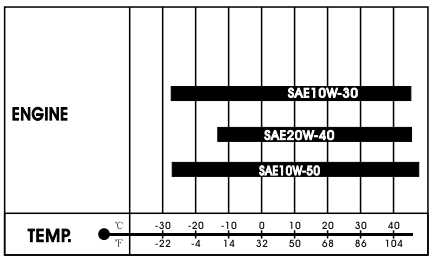
FUEL ANEOIL

FUEL

The proper fuel is very important for the engine,it is forbidden that there is dust mixing in the fuel. Please use the regular unleaded gasoline with the octane number90& upwards of 90.

ENGINE OIL

Special four-stroke engine oil is required. It will realize the best lubricating affect and the engine will run in a proper condition. On the other hand the deposit carbon will be least and the service life will be longer too,

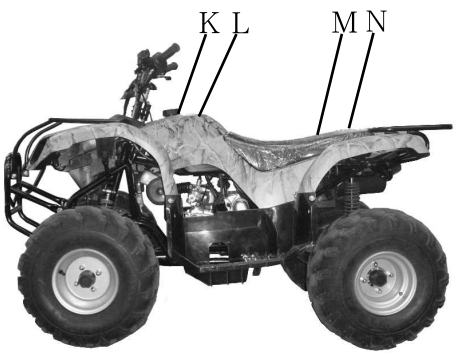


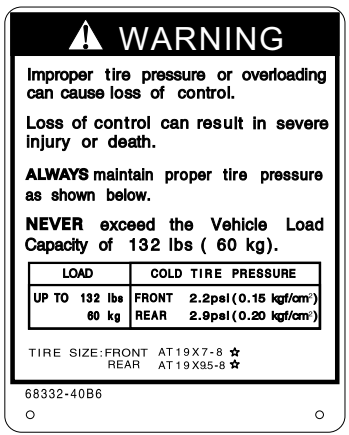
Use the chart to select a viscosity rating based on the temperature range in your area,

NOTE: In very cold weather below 5□F(-15□C), use SAE10W-50 for good starting and smooth operation.

LOCATION OF LABELS

Read and follow all of the warnings labeled on your ATV. Make sure you understand all the labels. Keep the labels on the ATV.Do not remove them for any reason . If a label comes off or becomes difficult to read, you should get a replacement by contacting your dealer.




WARNING
Improper tire pressure or overloading can cause loss of control.
Loss of control can result in severe injury or death.
ALWAYS maintain proper tire pressure as shown below.
NEVER exceed the Vehicle Load Capacity of 132 lbs (60 kg).
LOAD
COLD TIRE PRESSURE
UP TO 132 lbs 60 kg
FRONT 2.2psi(0.15 kgf/cm²)
REAR 2.9psi(0.20 kgf/cm²)
TIRE SIZE:FRONT AT19X7-8 ☆
REAR AT19X9.5-8 ☆
68332-40B6

WARNING

Operation of this ATV by children under the age of 12 increases the risk of severe injury or death. Adult supervision required for children under age 16. **NEVER** permit children under age 12 to operate this ATV.

WARNING

Improper ATV use can result in SEVERE IN JURY or DEATH

ALWAYS USE AN APPROVED HELMET AND PROTECTIVE GEAR

NEVER USE ON PUBLIC ROADS

NEVER CARRY PASSENGERS

NEVER USE WITH DRUGS OR ALCOHOL

NEVER operate:

- without proper training or instruction
- at speeds too fast for your skills or the conditions
- on public roads - a collision can occur with another vehicle
- with a passenger - passengers affect balance and steering and increase risk of losing control

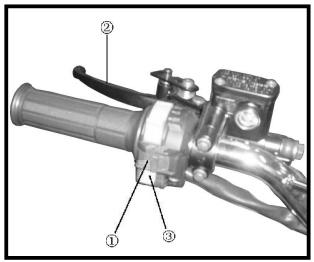
ALWAYS:

- use proper riding techniques to avoid vehicle overturns on hills and rough terrain and in turns
- avoid paved surfaces - pavement may seriously affect handling and control

LOCATE AND READ OWNER'S MANUAL.
FOLLOW ALL INSTRUCTIONS AND WARNINGS.

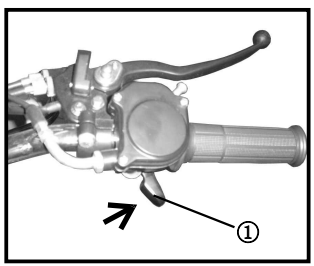
HANDLEBAR&SWITCH

LEFT HANDLEBAR

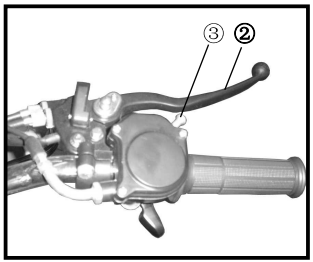


Engine stop switch ①
"**OFF**"position
The engine can not be started,
"**RUN**"position
The engine can be started.
Rear brake lever ②
Apply the rear brake by squeezing the rear brake lever towards the grip.
Electric starting button ③

RIGHT HANDLEBAR

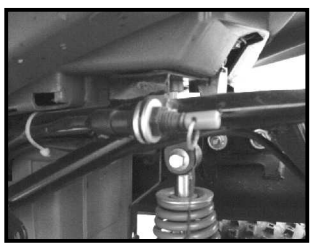


Throttle lever ①
Control the engine rotating speed with the throttle lever.
Operate this lever with your thumb. Push it forward to increase engine rotating speed. Release it to decrease engine speed.
Front brake lever ②
Throttle adjusting screw ③



Use the throttle adjusting screw to restrict maximum speed of the ATV Adjust this limiter according to the rider's skill and experience.

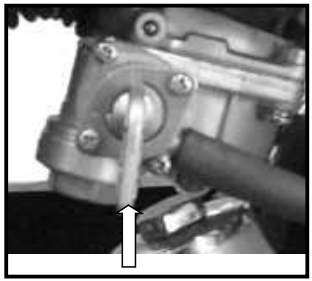
HAND-DRAUGHT FLAMEOUT SWITCH



This switch is on left side lf the frame. When you pull out it, the engine can not be started. On the contrary, the engine can be started normally after you insert the switch

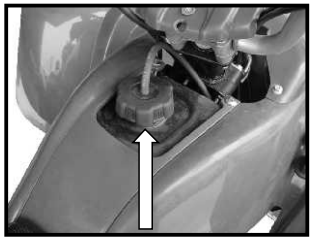
Adjusting procedures:

1. Loose the nut ④
2. Turn the throttle adjusting screw ③ clockwise to restrict maximum speed of the ATV.
3. Turn the throttle adjusting screw ③ counterclock wise to increase the maximum speed of the ATV.
4. After finished it tighten the lock nut ④.



FUEL VALVE

This vehicle has a manually operated fuel valve, There are two positions: "♉ " and " □".



"♉"posltlon

In this position,fuel will flow to the carburetor when the engine is running or being started.

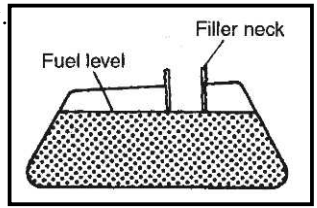
" □"posltlon

No fuel will flow into the carburetor.

FUEL TANK CAP

To open the fuel tank cap, take the end of the vent tube out from the vehicle body , turn the fuel tank cap

counterclockwise. To close the fuel tank cap, turn it clolkwise and tighten it securely. Be sure that the vent tube securely connects to the cap as shown.



⚠ WARNING

Overfilling the fuel tank could be hazardous.

If you overfill the fuel tank, fuel may overflow when it expanding expanse due to heat from engine or sun Overheated fuel could easily catch fire.

Stop adding fuel when the fuel level reaches the bottom of the filler neck.

⚠ WARNING

Improper fueling of the ATV could be hazardous. Failing to follow safety precautions when refueling could result in a fire or let you breathe toxic fume. Refuel in a well ventilated area. Make sure the engine is off and avoid spilling fuel on a hot engine. Do not smoke, and make sure there are no open flames or sparks in the area. Avoid breathing gasoline vapors. Keep children and pets away when you are refueling the ATV.

SEATLOCK

To remove the seat, move the seat lock lever backword. Raise the rear end of the seat and slide it back. To lock the seat, slide the sear lever into its retainer and push down firmly.

⚠ WARNING

Improperly installing the seat could be hazardous. Failing to install the seat properly could allow the seat to move and cause the rider losing control. Make sure you are in proper position and the seat is attached securely when you install it.

RIDING YOUR ATV

WHAT YOU SHOULD KNOW BEFORE RIDING

Before riding, you should read all the following informations carefully. If you are properly prepared, you will have a safer and more enjoyable ride. Before riding, you should find a good place to pratise the skills. Find a flat, open area with enough space to practise the new skills. Make sure that it is legal to ride in the area you selected. Review the local law to make sure you are not trespassing. Check with your ATV dealer or call the police if you do not know where you can ride.

Protect your riding areas. When you are riding, remember to keep the terrain in good condition. Dont destroy plant. Don't litter and don't bother wildlife. With your help, your riding area can remain open for you to use in the future. After you have found a good place to practise, review the control system on your ATV before riding. Learm to find these controls without looking for them. Because you will not have time to look for them when you are riding.

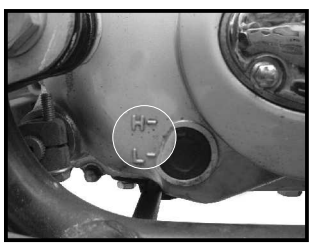
⚠ WARNING

Operating this ATV without proper instruction could be hazardous. The risk of riding could increases greatly if you do not know how to operate the ATV properly under different situations and on different types of terrain. Beginners and inexperienced operators should complete the certified training course. You should regularly practise the skills learned in the course and the operating techniques described in this user's manual. For more information about the training course, contact your authorized dealer.

INSPECTION BEFORE RIDING

ITEM TO CHECK	CONTENT
Steering	Smoothness no restriction of movement no play or looseness
Brakes	Proper brake lever free play enough brake force parking brake effectiveness
Tires	Proper air pressure enough tread depth no cracks, rips, or other damages
Fuel	Enough fuel for the intended trip fuel hose connected securely no damage to fuel tank or cap fuel tank cap closed securely
Engine stop switch	Proper operation
Engine oil	Proper level

In normal instance, the position of engine oil in window should be between upper limit (H) and lower limit (L).
If the position of engine oil in window is under the lower limit (L), please complement engine oil in time.



Throttle	Proper free play of throttle lever smooth response quick return to idle position
Drive chain	Proper tension adequate lubrication no excessive wear or damage
General condition	Bolts and nuts are tight no rattle from any parts of the engine when running No visible evidence of Damage

⚠ WARNING

Failing to inspect the ATV before operating could be hazardous. Failing to perform proper maintenance could also be hazardous. Failing to inspect and maintain your ATV could increases the chances of an accident or equipment damage. Always inspect your ATV each time before riding, and make sure it is in safe operating condition.Refer to the INSPECTION AND MAINTENANCE section in this manual.

⚠ WARNING

Operating this ATV with improper tires,or even tire air pressure could be hazardous. If you use improper tires or improper air pressure, you may lose control of the ATV. This will cause an accident. Always use the tires with size and type tires specified in this user's manual. Always maintain proper tire air pressure as described in the INSPECTION AND MAINTENANCE section.

⚠ WARNING

Overloading could be hazardous .Overloading could cause changes in vehicle handling and could lead an accident. Never exceed the stated load capacity for this ATV.Refer to the ACCESSORY USE AND VEHICLE LOADING section in this manual.

⚠ WARNING

Operating this ATV with improper modifications could be hazardous. Improper installation of accessories or modification to this vehicle may cause changes in handling. In some situations, this could lead an accident. Never modify this ATV through improper installation or use of accessories.Refer to the ACCESSORY USE AND LOADING section in this manual.

⚠ WARNING

Checking maintenance items when the engine is running could be hazardous. You could be severely injured if your hands or clothing get caught in moving ATV parts. Shut the engine off when performing maintenance checks, except checking the engine stop switch and throttle.

Check the condition of the ATV to make sure that the ATV do not have mechanical problems or get stranded somewhere when you ride. Before ridingtheATV, be sure to check the above items. And be sure your ATV is in good condition to keep the safety of the rider.

PROTECTION UNDER RIDING

A crash helmet is the most importantpart which you should wear. A crash helmet can help preventing a serious head injury. Choose a helmet that fits snugly. Ask your dealer for help to select a good quality crash helmet that fits properly.

⚠ WARNING

Operating this ATV without wearing an approved crash helmet, eye protection and protective clothing could be hazardous.

Operating without an approved crash helmet or eye protection increases your chances of a severe head injury

or death in an accident. Operating without protective clothing also increases your chances of severe injury in an accident. Always wear an approved crash helmet that fits properly.
Always wear eye protection (goggles or face shield). You should also wear gloves, boots, long sleeve shirt jacket, and long trousers.

You should wear eye protection when you ride. If rock or branch hits your eyes, you could be severely injured. Wear goggles or a face shield.
Wear proper clothing when you ride. The proper clothes can protect you from injury. Wear a good pair of gloves, strong boots that over the ankle, long trousers, and a long sleeve shirt.

BREAK-IN

The first month is the most important in the life of your vehicle. Proper operation during this break-in period will be helpful for assuring maximum life and performance of your new vehicle. The following guidelines explain proper break-in procedures.

Maximum Throttle Opening Recommendation

During the first 10 hours of operation, you should always use less than 1/2 throttle opening.

Vary the Engine Rotating Speed

Vary the engine rotating speed during the break-in period. This allows the parts to "load" and then "unload" (allowing the parts to cool). Although it is essential to place some stress on the engine components during break-in, you must be careful not to load the engine too much.

Avoid Constant Low Rotating Speed

Operating the engine at constant low rotating speed (light load) can cause parts to glaze and not seat properly. Allow the engine to accelerate freely without exceeding the maximum throttle limit.

Allow the Engine Oil to Circulate Before Riding

Allow enough idling time after warm or cold engine starting. This allows the lubricating oil to reach all critical engine components.

Observe Your Initial and Most Critical Service

The initial service (break-in maintenance) is the most important service that your vehicle will receive. During break-in operation, all of the engine components will mate together and seat properly. Maintenance required as part of the initial service includes correction of all adjustments, tightening of all bolts & nuts and replacement of dirty oil. Timely performance of this service will help you get the best service life and performance of the engine.

STARTING THE ENGINE

Before attempting to start the engine, make sure to follow these steps.

1. turn the key switch to the ON position.
2. Set the engine stop switch to the " " position.
3. Apply the rear brake lever and make sure that the rear wheels are in locking codition.
4. Press the starter button " "and start the engine.

⚠ WARNING

The ATV will start moving as soon as you start the engine.
Unexpected movement could cause you to lose control of the ATV.
Be sure to set the parking brake before you start the engine.

⚠ WARNING

Running your ATV indoors where there is little or no ventilation could be hazardous.
Breathing in exhaust gases from the ATV could cause severe injury.
Always run your ATV outdoors where there is fresh air.

STARTING

⚠ WARNING

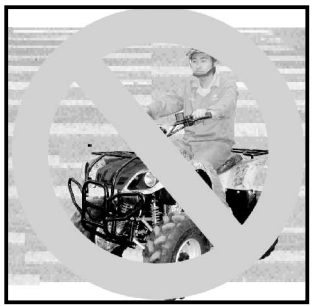
Carrying a passenger on this ATV could be hazardous.
Carrying a passenger could greatly reduce your ability to keep balance .
If you carry a passenger, you would lose control, and both you and the passenger could be severely injured.
Never carry a passenger. The ATV has a long seat so you can change position to handle the ATV. It is not for carrying passengers.

⚠ WARNING

Operating this ATV on paved surfaces, including sidewalks, paths, parking lots, driveways and streets could be hazardous.

ATV tires are designed for off- road use. Paved surfaces may seriously affect handling and control of the ATV, and may cause the vehicle to be out of control.

Avoid operating the ATV on paved surfaces if possible. If you must ride on a paved surface, go slowly and do not make sudden turning or stop.



⚠ WARNING

Operating this ATV on public streets, roads or highways could be hazardous. You may collide with another vehicle if you ride on the public roads.
Never operate this ATV on any public street, road or highway, even a dirt or gravel one. In many states it is illegal to operate ATVs on public streets, roads and highways.

⚠ WARNING

Operating this ATV at excessive speeds could be hazardous.
Riding at excessive speeds increases your chances of losing control of the ATV, which could result in an accident.
Always go at a speed that is proper for the terrain, visibility operating conditions, your skills and the experience.

⚠ WARNING

Attempting wheelies, jumps, and other stunts could be hazardous.
Stunt riding increases the chance of an accident, including an overturn.
Never attempt stunts, such as wheelies or jumps. Don't try to show off.

⚠ WARNING

Removing your hands from the handlebar or feet from the footrests during operation could be hazardous.
If you remove even one hand or foot from the ATV, you could reduce your ability to control the ATV. This could cause you to lose your balance and fall off the ATV. If you remove a foot from a footrest, your foot or leg may come in contact with the rear wheels. This could injure you or cause an accident.
Always keep both hands on the handlebars and both feet on the footrest of your ATV during operation.

⚠ WARNING

Failing to use extra care when operating on excessively rough, slippery, or loose terrain could be hazardous.

Failing to use extra care could cause loss of traction. This could result in an accident, including an orerturn.

Do not operate under these conditions until you have learned and practised the skills necessary to control the ATV on such terrain. Always be especially cautious on these kinds of terrain.

⚠ WARNING

Failing to use extra care when operating this ATV on unfamiliar terrain could be hazardous.

You could come upon hidden rocks, bumps, or holes, without enough time to react. This could cause the ATV to overturn or go out of control.

Go slowly and be extra careful when operating on unfamiliar terrain. Always be alert to changing terrain conditions when operating the ATV.

⚠ WARNING

The ATV may start moving as soon as you release the parking brake.
Unexpected movement could cause you to lose control of the ATV.
Make sure to apply the rear brake before you release the parking brake.

When be sure that the engine is warm, release the rear brake.

Release the rear brake lever and open the throttle gradually to move forward.

⚠ WARNING

opening the throttle suddenly could be hazardous.
The front wheels could leave off the ground and cause loss of control of the ATV.
Always open the throttle gradually when you want to accelerate.

BRAKING

To stop the ATV,first release the throttle lever.and then apply the rear and front brake smoothly.

⚠ WARNING

Braking while turning the ATV could be hazardous.
Use of the brake when turning could cause the ATV to slide or roll over.
Use the brake to slow down before you begin to turn.

⚠ WARNING

Braking hard on slippery surfaces could be hazardous.
The ATV could skid and go out of control if you brake too hard.
Apply the brakes lightly and carefully on slippery surfaces.

⚠ WARNING

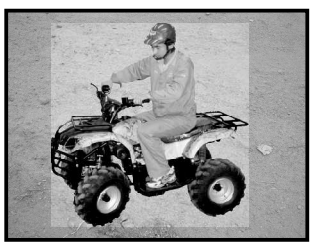
Operating the parking brake when the ATV is moving could be hazardous.
The front wheels could lock, and it will cause a skid and an accident.
Use the parking brake only after you stop the ATV.

TURNING

To turn the ATV,the rider must use the proper technique.Because this vehicle has a solid rear axle, both rear wheels always turn at the same speed.This means that if the rear wheels are getting equal traction, the vehicle will tend to move straight ahead.this is because the rear wheels will travel the same distance. For the vehicle to turn.the outside rear wheel must travel a longer distance than the inside rear wheel.To make this happen, the rider must create less traction for the inside wheel,allowing it skid.this allows it to travel a shorter distance than the outsidewheel. This happens even though both wheels are still turning at the same speed.

⚠ WARNING

Turning the ATV improperly could be hazardous.
If you turn the ATV improperly ,it may cause a collision or overturn.
Always follow proper procedures for turning as described in this section. Practise turning at low speeds before attempting to turn at faster speeds. Never turn at excessive speeds.



To turn the ATV,use the following technique:
- Move your body weight forward and to the inside of the turn.
- Turn the handlebar while looking in the direction of the turn.

FOR HIGHER SPEEDS OR SHARPER TURNS

Use the same technique that you move your body weight farther toward the inside of the turn to maintain your balance.Natural turning forces(which can push the vehicle to the outside of the turn)increase as the speed or the turn sharpness increases. This means you must lean your

body farther into the turn as you go faster or turn more sharply. This prevents the vehicle from tipping over to the outside of the turn. If your ATV starts to tip while turning, lean your body farther into the turn while gradually reducing the throttle and making the turn wider. if possible.

SKIDDING OR SLIDING

You may experience skidding or sliding when you are not braking. you may be able to overcome it by using the techniques listed below.
If your front wheel skids:
Gain front wheel traction byr reducing the throttle opening and leaning your body slightly for ward.
If your rear wheel skids:
If space permits, steer in the direction of the skid. Shift your body away from the skid slightly. Avoid using the throttle or brakes until you regain directional control of the vehicle.

⚠ WARNING

Skidding or sliding improperly could be hazardous.
You may lose control of your ATV, or regain traction unexpectadly, this may cause the ATV to overturn.
Learn to safely control skidding or sliding by practising at low speeds and on level. Smooth terrain.
On extremely slippery surfaces, such as ice, go slowly and be very cautious in order to reduce the chance of skidding or sliding.

OPERATION ON HILLS

⚠ WARNING

Operating this ATV on excessively steep hills could be hazardous.
The ATV could overturn easily on extremely steep hills than on level surfaces or small hills.
Never operate the ATV on hills which is too steep for the ATV or for your abilities.practise on smaller hills before trying larger hills.

Climbing a hill

⚠ WARNING

Climbing hills improperly could be hazardous.
Climbing Always follow the proper procedures for climbing hills as described in this section.
Always check the terrain carefully before you start up any hill.
Never climb hills with excessively slippery or loose surfaces.
Shift your body forward.
Never open the throttle suddenly. The ATV could flip over backwards. Never go over the top of any hill at high speed.An obstacle,a sharp drop. Or another vehicle or person could be on the other side of the hill.

To climb a hill with the ATV,following the directions below.

1. Speed up and maintain a steady speed before reaching the bottom of the hill. Remember that you must ride at a steady speed all the way to the top of the hill.
2. Shift body forward by sliding forward on the seat.Lean slighty forward.For steep hills,stand on the footrests and lean out over the front wheel,
3. Maintain a steady speed while climbing the hill.
4. Slow down gradually when you reach the top of the hill.

⚠ WARNING

Stalling,rolling backwards or improperly dismounting the ATV while climbing a hill could be hazardous.
The ATV could overturn if you do not climb a hill properly.
Maintain a steady speed when climbing the hill. Always follow the proper procedures for climbing hills as described in this section.

You may start to climb a hill and are able to make it to the top.If this happens, use the correct procedure described below to turn around to get down the hill.
If you still have forward movement and enough space to turn around safely,follow these instructions.

1.Turn around on the hill before you lose forward speed.As you turn on the side of the hill, lean your body weight uphill.
2. Once you have turned around,ride down the hill as described in the DESCENDING A HILL section.

If you lose forward movement,or begin to roll backwards, follow these instructions.

1. Lean farther forward,uphill.
2. Never apply the rear brake if the vehicle has begun to roll backwards.
3. After the vehicle has stopped, apply the rear brake.
4. Set the parking brake and dismount to the left while still leaning uphill.
5. Use one of the following procedure to turn the vehicle around.
6. Remount the vehicle,apply the rear brake and ride down the hill as instructed in the DESCENDING A HILL section.

If you are able to drag the rear end of the ATV around until the vehicle points downhill.Stay on the uphill side of the vehicle while dragging it around.

Descending a Hill

⚠ WARNING

Going down a hill improperly could be hazardous.
Going down a hill improperly could cause loss of control or cause the ATV to overturn.
Always follow the prop er procedures for going down hills as described in this section.

To ride down a hill with the ATV, follow the instructions below.

1. Check the terrain carefully for any obstacles before you go down the hill.
2. Point the ATV straight down the hill.
3. Transfer body to the rear by sliding back on the seat.
4. Ride down the hill slowly with the throttle released.
5. Apply the rear brake to control the speed.
6. Avoid going down a hill at an angle that would cause the vehicle to lean sharply to one side. Go straight down the hill if possible.

TRAVERSING A SLOPE

⚠ WARNING

Crossing hills or turning on hills improperly could be hazardous.
Crossing hills or turning on hills improperly could cause loss of control or over turn.
Never attempt to turn the ATV around on any hill until you have mastered the turning technique as described in the CLIMBING A HILL section. Practise this technique on level ground. Be very careful when turning on any hill. Avoid crossing the side of a steep hill if possible.

When traversing a slope, you should:
1. lean your body uphill.

2.steer slightly uphill, if necessary, to maintain a straight course.

RIDING OVER OBSTACLES

⚠ WARNING

Operating this ATV over obstacles improperly could be hazardous.
Improperl y crossing obstacles could cause loss of control or a collision.It would also cause the ATV to overturn.
Follow the procedures in this section carefully when crossing over obstacles.

If you come to an obstacle that you cannot avoid, you may be able to cross over it by using the following procedure .
1. if the obstacle is in front of you,approach at walking speed.
2. rise up slightly on the footrests.
3. pull up on the handlebar and apply a little throttle as the front wheels reach the obstacle.
4. lean forward and release the throttle after the front wheels is over the obstacle.

Remember that some obstacles are too high for your ATV or for your abilities. If you are not sure that you can safely cross over an obstacle,back up and ride around the obstacle.

RIDING THROUGH WATER

You can ride the ATV through shallow water.Make sure it is not more than 10cm<4in>deep and is not moving fast.choose a good place to cross before you ride through the water.Look for a spot where the banks are gently sloped on both sides and the bottom of the stream is hard.if you are unfamiliar with the area,park the ATV and inspect the stream first to find.

a suitable spot for crossing. When crossing ,operate the ATV at a slow, steady speed. Be careful not to damage banks when crossing.

⚠ WARNING

Operating this ATV through deep or fast flowing water could be hazardous.
The ATV tires may float,loss of traction and then loss of control. This could lead an accident.
Never operate this ATV in fast flowing water or in water deeper the described in this section. Remember that wet brakes may reduce the stopping ability. Test your brakes after leaving the water. If necessary,apply them for several times to let the friction linings dry out.

CAUTION

Operating the ATV in water,sand, or mud causes rapid brake wear.
Excessive brake wear could cause the brakes to be less effective.
After repeated operation of the ATV in these condition,bring it to your dealer to have the brakes inspected and cleaned.

RIDING IN COLD WEATHER

Pre-ride inspection

Check that the throttle and all control levers move freely,make sure that the footrests are free of ice or snow.

Move the ATV forward and backward to check that the wheels roll freely.if you can not move the ATV,the tires may be frozen to the ground,or the brakes may be forzen to the wheels,if the tires are frozen to the ground,pour warm water around them to melt the ice,if the brakes are frozen, bring the ATV to a warmer area to thaw out the brakes.

After the engine has warmed up ,check the brakes.Do this inspection on level ground and do not exceed ,the walking speed.Be sure to check the operation of both front and rear brake,if the brake do not work adequately, stop riding the ATV.

CAUTION

using engine power to free up frozen wheels could damage your ATV.

Severe damage to the drive main may occur if you use engine power to free frozen wheels.

Before riding,manually move the ATV forward and backward to make certain that all wheels roll freely.

Bring the ATV to a warmer area to make the brake to thaw out.After the brake thaw , dry it by applying it several times while ridin g for. If the brake does regain full stopping power, ask your dealer check it before you continue riding your ATV.

Water that enter the brakes may freeze after you parked your ATV.The frozen water can prevent the wheels form turning or the brake form working.After riding through water. Mud,snow, or slush it is important to dry the brake before parking the ATV,To dry the brake,apply them for several times while riding slowly . Before your next ride, be sure to do a pre-ride inspection as described earlier in this section.

⚠ WARNING

Operating the ATV with out a properly function brake system could be hazardous.
Wet or frozen brakes will increase stoppoing distance. This will in crease your chance of having an accident.
Be sure to inspect the brakes before riding the vehicle in cold weather as described above.

Dressing for Cold Weather Riding

⚠ WARNING

Operating your ATV in cold weather without proper clothing could be hazardous.
Continued exposure in the cold weather could lead to hypothermia.Hypothermia is a condition where your body□s inner temperature drops low enough to cause injury or death.
Always dress for the worst weather conditions you might encounter.Be prepared for bad weather and ATV breakdowns.

Riding in cold weather can be hazardous,At a temperature of 10 □F <-12 □C>,the wind chill created by going just 10 mph<16km/h>makes you as cold as if you were standing still at a temperature of -9 □F<-23 □C>.at this them perature,exposed flesh will freeze in just a few minutes.
Continued exposure in the cold weather would lead to hypothermia . Hypothermia occurs when your body□s inner temperature drops. Symptoms include numbness in the extremities < hands , feet , arms,and legs>, and shivering . Damp clothing contributes to hypothermia because cold water on your skin will drain heat from your body□s core.

We strongly recommend that if you do any cold - weather riding , you must familiarize yourself with the symptoms , treatment , and prevention of hypothermia . Information is available at libraries and through government agencies.
Plan your winter rides with safety and comfort in mind . Dress for the worst conditions you might encounter. Be prepared for bad weather and ATV breakdowns . Wear warm , water-resistant clothing such as thermal under wear,snowmobile suites,lined gloves and boots , and wool socks.

⚠ WARNING

wearling loose clothing when riding your ATV could be hazardous.
Loose clothing,such as a long scarf or shawl , could get caught in an ATV □s moving parts.
Never wear loose clothing when riding your ATV.

Riding Your ATV on Snow and Ice

⚠ WARNING

Riding on snow -covered terrain without care could be hazardous.
The snow may be covering rocks,holes, ice or other hazards that can cause a lose of control . Severe injury or death could occur if you lose control of the ATV.
Go slowly and be careful when riding on snow-covered terrain. Always be alert to changing terrain conditions.

⚠ WARNING

Riding on a frozen lake or river could be hazardous.
Serious injury or death could occur if the ice breaks and you could fall into the cold water.
Check with local authorities to verify the thickness of the ice and area to avoid.

⚠ WARNING

Failing to use extra care when operating on slippery sufaces such as hard-packed snow and ice could be hazardous.

Failing to use extra care could cause loss of trachion or loss of vehicle control,this could result in an accident including an overturn.

Do not operate on slippery surfaces until you have learned and practised the skills necessary to control the ATV on such terrain.Always use extra care on slippery surfaces. Avoid riding on the snow or ice covered hills whenever possible.

Practise riding your ATV in an open snow or ice-covered area,at slow speeds,before handing out on snow-or ice-coyered trails . Learn how to know your ATV responds to steering and braking on the type of terrain you will encounter on your ride.

Your eyes may be sensitive to sunlight when you ride over snow or ice on a bright , sunny day . snow or ice reflects more light into your eyes than dirt or grass does.Tinted eye protection will reduce the amount of light reaching your eyes , always use clear eye protection when riding at night . On overcast days , you may find it helpful to use yellow-tinted eye protection.

ACCESSORY USE AND VEHICLE LOADING

There are many types of accessories for sale.However , we can not have direct control over the quality or suitability , we can not test each accessory that is available . If you add the wrong accessories or misuse the vehicle with some accessories installed,it can make the ATV less safe to ride.

Be caution when choosing and installing accessories to your vehicle.Your dealer may be able to help you choose accessories and install them correctly . Tthe guidelines below should help you to decide how to equip your ATV and how to use it correctly when you use accessories or carry cargo.

⚠ WARNING

Operating this ATV with improper modifications could be hazardous.
Improper installation of accessories or modification of the vehicle may cause changes in handling which could lead an accident.
Never modify the ATV with improper installation or use of improper accessories . All parts and accessories added to the ATV should be genuine parts or their equivalent designed for use on this ATV . Install and use them according to their instructions.If you have any questions,contact your dealer.

Accessory use and vehicle loading guidelines.

1. The combined weight of the rider,tools,and any accessories or cargo must never exceed the vehicle□s load capacity of 160lbs.
2. Check accessory mounting brackets and other attachment to make sure they provide a rigid,non-movable mount.
3. Accessories added to the handlebar of the ATV should be as light as possible.The extra weight would cause the vehicle to be harder to steer.
4. Do not add accessories or cargo which interfere controls or other equipment.
5. Do not carry heavy or bulky cargo.
6. Distribute cargo weight evenly between the front and rear of the vehicle as well as both sides of the vehicle. Locate cargo weight as close to the center of the vehicle if possible.
7. Secure your load well.Shifting weight can affect your ability to handle the vehicle safely.
8. Ride at slow speeds and avoid hills when carrying cargo.Carrying loads would affect the stability and handling of your ATV.
9. Allow enough stopping distance.Stopping distance increases if you carry loads. Use engine braking as much as possible.

INSPECTION AND MAINTENANCE
MAINTENANCE SCHEDULE

Item \ Interval	Initial 1month	Every 3 month	Every 6 month
Air cleaner	–	C	–
*Exhaust pipe bolt and muffler bolt	T	T	T
*Cylinder head cylinder and muffler	–	C	C
Spark plug	–	C	R
Idle speed	I	I	I
Throttle cable	I	I	I
Fuel line	I	I	I
	*Replace every 4 years		
*Brakes	I	I	I
Tires	Inspect every month		
Drive chain	Clean, lubricate and inspect each time the ATV is ridden		
*Suspension	–	–	I

*Steering	I	I	I
*Chassis bolts and nuts	T	T	T
Flexible tube	I	I	I
	*Replace every 4 years		
Brake fluid	*Replace every 2 years		

I=inspect and clean,adjust,lubricate or replace,if necessary,C=clean,R=replace, T=tighten,L=lubricate.

It is very important to inspect and maintain your ATV regularly. Follow the guidelines in the chart. The intervals between periodic services in months are shown, at the end of each interval,be sure to perform the maintenance listed.

⚠ WARNING

Improper maintenance or failing to perform recommended maintenance could be hazardous.
If you perform improper maintenance or do not maintain your ATV you may have an accident.
Keep your ATV in good condition. Ask your dealer or a qualified mechanic to do the maintenance items marked with an asterish(*). You may perform the unmarked maintenance items by referring to the instructions in this section too,if you have mechanical experience.If you are not sure how to do the jobs,ask your dealer for the maintenance.

CAUTION

If you use your ATV under severe conditions,it will need maintenance more often than shown in the chart. Operating your ATV under severe conditions causes more wear on your ATV.Severe conditions include operating under frequent full throttle , or in dusty, wet, sandy, or muddy areas. These conditions could cause the ATV to wear more quickly.

Perform maintenance more often than shown in the chart,if you have any questions regarding maintenance intervals,consult your dealer.

CAUTION

Using poor quality replacement parts could damage your ATV.

Poorly-made replacement parts could cause your ATV to wear more quickly and shorten its useful life.

When replacing parts on your vehicle,use only genuine replacement parts or their equivalent.

TOOLS

A tool kit is provided with your ATV.

SPARK PLUG

You ATV is equipped with NGK C7HSA spark plug.To determine if the standard spark plug is fit to your usage , check the color of the plug's center electrode insulator after vehicle operation . A brown color indicates that the plug is correct . A white or dark insulator indicates that the engine may need adjustment , or another plug type may be needed . Consult your dealer if your plug insulator is not a light brown color.

CAUTION

Failing to use the proper spark plug could damage your ATV.
An improper spark plug may have an incorrect fit or heat range for your engine. This may cause severe engine damage which may not be covered under warranty.
Use one of the spark plugs listed below or equivalents. Consult your dealer if you are not sure which spark plug is correct for your vehicle.

NOTE : This ATV uses resistor type spark plug to avoid jamming electronic parts . improper spark plug selection may cause electronic interference with your ATV ignition system, resulting in the vehicle performance problems. Use recommended spark plugs.

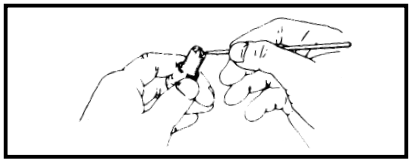
To install a spark plug, turn it in as far as possible with your fingers , then tighten it with a wrench.

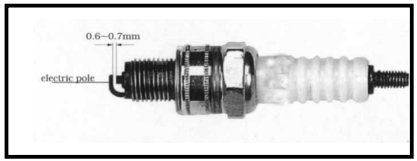
CAUTION

Improper installtion of the spark plug could damage your ATV.
An overly tight or cross threaded spark plug will damage the aluminum threads of the cylinder head.
Carefully turn the spark plug by hand into the thieads. if the spark plug is new, tighten it with a wrench about □turn past finger tight. If you are reusing the old spark plug, tighten it with a wrench about 1/8 turn past finger tight.

CAUTION

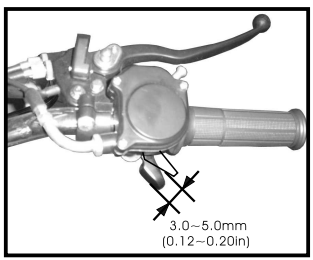
Dirt could damage your ATV if it entered an open spark plug hole of cylinder head.
Dirt could damage engine parts that move.
Cover the spark plug hole while the spark plug is out of the hole.



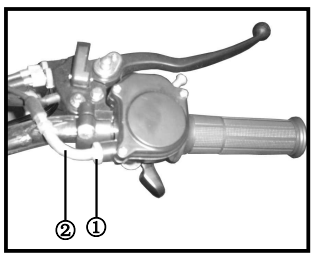


To maintain a hot , strong spark , plug keep the plug free of carbon . Remove carbon from the plug with a wire or pin,and adjust the gap to 0.6-0.7mm for good ignition.Use a thickness piece to check the gap.

THE ADJUSTMENT OF THROTTLE LEVER



Measure the throttle lever as play 0.12~0.20in（3.0~5.0mm） as shown.



To adjust the throttle lever free distance:
1. remove the cover.loosen the nut ① .
2. turn the adjuster ② in or out to obtain the correct play.
3. tighten the nut ① .
4. recheck the throttle lever free distance. Readjust it if it is not within the correct limits.

⚠ WARNING

Operating the vehicle with an inadequate throttle lever free distance could be hazardous.
Inadequat e throttle lever free dis tance could cause engine speed to rise suddenly when you turn the handlebars. This can lead the rider loss of control.
Adjust the throttle lever free distance so that engine idle speed does not rise due to handlebar movement.

IDLE SPEED ADJUSTMENT

To adjust the idle speed properly, you need a tachometer.lf you do not have one,ask your dealer to perform this adjustment.

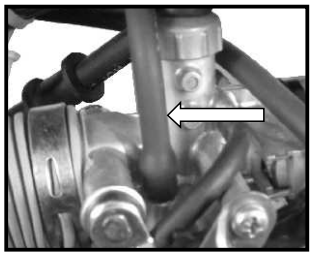
To adjust the idle speed:
1. Start the engine and warm it up.
2. Turn the throttle stop screw 1 in or out so that the engine idle speed 1 400-1 600r/min.

⚠ WARNING

Improper adjustment of the idle speed could be hazardous.
An idle speed that is too high could cause the ATV to launch forward when you start the engine.This may cause an accident.
Excessive engine wear may also result if idle speed is adjusted improperly or when the engine is not fully warmed up. Adjust the idle to the correct speed.Make sure the engine is fully warm before adjusting the engine idle speed.

FUEL HOSE

Inspect the fuel hose for damage and fuel leakage.lf any defects are found,the fuel hose must be replaced.



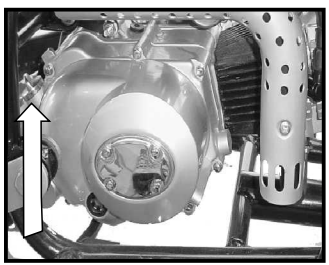
ENGINE OIL

The engine oil shall be changed, because the oil will Drain and become dirty easily when the engine is working.

To change oil:

1. Park the vehicle on the level ground.

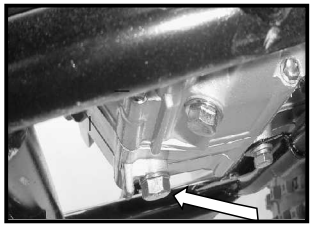
2. Remove the oil cap.



3. Remove the drain bolt and drain the oil into a bucket.
4. Reinstall the drain bolt.
5. Pour fresh oil of the specified type through the oil litter hole.

NOTE : Approximately 900m1 of oil required.

6.Tight the oil cap .



⚠ WARNING

New and used oil could be hazardous.
Children and pets may be harmed by swallowing oil. Continuous contacting with used oil ,would cause skin cancer in laboratory animals. Brief contact with the used oil may irritate the skin.
Keep new and used oil away from children and pets. To minimize your exposure to used oil,wear a long -sleeve shirt and moisture- proof gloves(such as dish washing gloves)when changing oil.if oil contacts your skin,wash thoroughly with soap and water. Launder any clothing or rags if wet with oil, Recycle or properly dispose of used oil.

CAUTION

Failure to use the correct oil could harm your ATV.
Be sure to sue the oil specified in the"FUEL AND OIL RECOM-MENDATION" section.

CAUTION

Running the engine without an adequate amount of engine oil could cause severe engine damage.
Running the engine without no engine oil cuold cause engine overheating.
Always check the amount of engine oil before starting the engine.

AIR CLEANER

The air cleaner element must be kept clean gas to provide good engine Power. If you use your vehicle under normal , low-tension conditions,you should service the air cleaner at the intervals specified.if you ride in dusty , wet , or muddy conditions, you will need to inspect the air cleaner element much more frequently. Use the following procedures to remove the element and inspect it.

⚠ WARNING

Operating the engine without the air cleaner element in place could be hazardous.
If the air cleaner element did not filter it .and severe engine damage would also occur if the dirt entered the running engine.
Never run the engine without the air cleaner element in place.

CAUTION

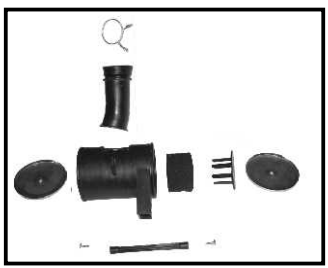
Failing to inspect the air cleaner element frequently if the vehicle is used in dusty, wet, or muddy conditions could damage your A1V.

The air cleaner element could become clogged under these conditions,and engine damage may result.
Always check the air cleaner element after riding in severe conditions.Clean or replace the element as necessary.
If water gets in the air cleaner case,immediately clean the element and the inside of the case.

REMOVAL

1 Remove the air cleaner cap.

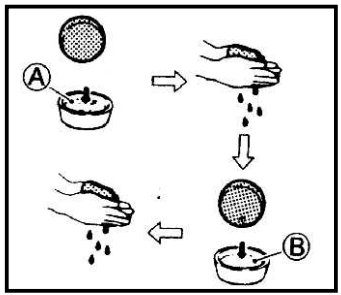
2 . Take out the air cleaner element holder and air cleaner element.



Washing the Element

Wash the element as the following:

1. Fill a washing pan large enough to hold the element with a nonflammable cleaning solvent. Immerse the element in the solvent and wash it.
2. Squeeze the element by pressing it between the palms of both hands to remove excess solvent (A). Do not twist or wring the element or it will develop cracks.
3. Immerse the element in another pan filled with Air filter oil (B). Squeeze the element to remove excess oil. Make sure that the element remains damp with oil (but not soaked).



CAUTION

A torn air filter could damage your ATV.
Dirt and dust may get inside of the engine if the element is torn.
Examine carefully the element for tears before and after cleaning it. Replace the element with a new one if it is torn.

⚠ WARNING

Oil and solvent could be hazardous.
Children and pets could be hairned from the oil and solvent.
Be sure to keep oil and solvent away from children and pets. Dispose of used oil and solvent properly.

4. Reinstall the cleaned element in reverse order of removal. Be sure that the element is securely in position and is properly sealed.

CAUTION

Failing to position the air cleaner element properly could damage your ATV.
Air would bypass the air cleaner element if the element is not positioned properly. This will cause the engine parts to wear more rapidly.
Be sure to position the air cleaner element properly.

DRIVE CHAIN

The condition and adjustment of the drive chain should be checked before riding. Always follow the guidelines below for inspecting and servicing the chain.

⚠ WARNING

Failing to maintain the chain properly before each riding could be hazardous.
Riding with the chain in poor condition could lead an accident.
Be sure to inspect and maintain the chain before riding, according to these guidelines.

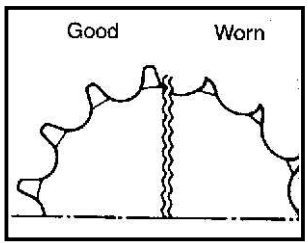
Inspecting the Drive Chain

When inspecting the chain, look for the following:

- Loose pins.
- Damaged rollers.
- Dry or rusted links.
- Kinked or binding links.
- Excessive wear.

If you find anything wrong with the drive chain ,solve the problem if you can. If necessary, consult your authorized dealer.

The drive chain is damaged means that the sprockets may also be damaged.
lnspect the sprockets as the following:



- Excessively worn teeth.
- Broken or damaged teeth.
- Loose sprocket mounting nut(s).

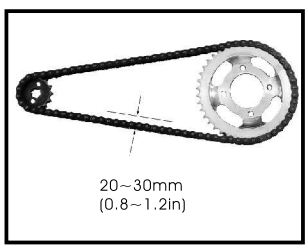
If you find any of these problems with your sprocket,consult your dealer.

DRIVE CHAIN CLEANING AND OILING

Clean and oil the chain as the following:

1 .Wash the chain.

2. Made the chain to dry, and then oil the link with the Chain lube or equivalent.

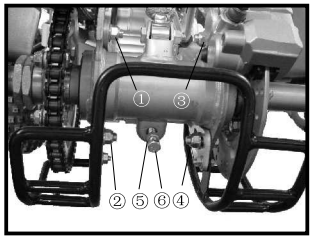


Adjusting the Drive Chain

The drive chain should be adjusted and make sure there is 20 - 30mm (0.8 - 1 .2in) of slack,as shown above.

You can aadjust the drive chain as the Following:

1. Loosen nuts ① - ④ and ⑤ .
2. Adjust the slack in the drive chain by turning the chain adjuster bolt ⑥ . equally to tighten or slacken the chain.
3. When proper slack is obtained, tighten the nuts ⑤ .
4. Tighten the adjusting nuts.



⚠ WARNING

Failing to inspect the drive chain slack before each use of the ATV could be hazardous.
Too much chain slack could cause the chain to come off the sprockets, resulting in an accident or serious damage to the ATV.
Inspect the drive chain slack before each use.

TIRES

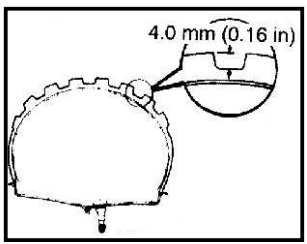
The ATV is equipped with low pressure tubeless tires of the size and type listed below:

	Front	Rear
Size	AT19□7-8 ☆	AT19□9.5-8 ☆
Size		

⚠ WARNING

Operating this ATV with improper tires, or even improper tire air pressure could be hazardous.
If you use improper tires or improper tire air pressure, you may lose control of the A1V.
Always use the size and type tires specified. Always maintain proper tire air pressure as described in this section.

Tire Tread Condition



⚠ WARNING

Using the very worn tires could be hazardous.
The traction of the vehicle will be decreased. This increases your risk of having an accident.
Replace the front and rear tires when the depth on the tread is 4.0mm (0.16in) or less.

Tire Air Pressure
Check the air
pressure in all tires before riding. Improper air pressure would affect handling , steering response, traction , tire life and rider comfort . Be sure that the tires are inflated to the pressures shown below . Tire pressure should only be measured or adjusted when the tires are cold.

COLD TIRE AIR PRESSURE	
Front	0.15kgf/cm^2 2.2psi
Rear	0.20kgf/cm^2 2.9psi

⚠ WARNING

Overfilling the air to the tires could be hazardous.
If you put too much air into the tire, the tire may burst, and causing severe injury.
Check the air pressure from time to time while inflating the tire gradually, until the specified air pressure is obtained.

Tire Replacement

Your ATV has low-pressure tubeless tires. Air is sealed by the contact surfaces of the inner wheel rim and the tire bead. If the inner wheel rim or tire bead is damaged, air may leak. Ba extremely careful not to damage these sections when replacing tires.
It is very important to use the proper tools when repairing or replacing tires in order to protect the tire bead or wheel rims.Have this work done by your dealer or a qualified tire repair station.
When breaking the tire bead loose from the wheel, be extremely careful not to damage the inner wheel rim surface or the tire bead.

⚠ WARNING

Using tires that have been installed incorrectly could be hazardous.
The A1V may have unusual handling if the tires are installed incorrectly.
The tires are intended to rotate in a specific direction, as indicated by the arrows on the sidewall of each tire.
Install tires correctly so they rotate in the proper direction.

Tubeless Tire Repair

If a leak or flat tire occur due to a puncture, the tire may be repaired using a plug type patch. If the damage is from a cut, or if the puncture cannot be repaired using a plug, the tire should be replaced. When operating your ATV in areas where transportation or service facilities are not readily available, it is strongly recommended that you bring a plug type repair kit and a tire air pump with you.

BRAKING

The ATV has two front drum brake and a rear disk brake.

⚠ WARNING

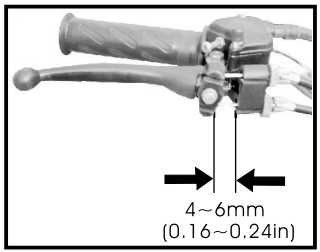
Failing to inspect and maintain your ATV'S brake system properly could be hazardous.
Improper maintenance of the brake increases your chance of having an accident.
Be sure to inspect the brake before riding according to the INSPECTION BEFORE RIDING section. Always maintain your brakes according to the MAINTENANCE SCHEDULE.

⚠ WARNING

Operating the ATV in harsh conditions could be hazardous if you do not often inspect brake wear.
Operating in mud, water, sand, or other extreme conditions can cause accelerated brake wear. This could lead an accident.
If you operate your vehicle under these conditions, the brake must be inspected more often than recommended in the MAINTENANCE SCHEDULE.

Front Brake Adjustment

1. Try to move the vehicle backward and forward when the brake plays. If the front wheels can turn, adjust the brake to lock the wheels securely.
2. Measure the amount of free play needed to lock the brake lever, as shown in above, if necessary. The free play is about 4 - 6mm (0.16 - 0.24in).
3. After any adjustment of the brake, check again to make sure the front wheels can not turn when the brake plays.



Rear disk brake

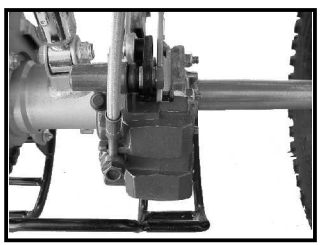
1. Inspect the disk brake for leakage. If the brake fluid leaks, the safety of riding could be affected and the painted surface will discolor immediately.
2. Inspect the brake hose for crevice, and the jiont for leakage.

⚠ WARNING

Failing to maintain the brake shoes or pads could be hazardous.

Riding with worn brake shoes pads. or shoes that are seriously worn, will increase your chance of having an accident.

If you need to replace brake shoes pads, have your dealer do the work. Inspect and maintain the brake shoes pads recommendedly. Replace the shoes pads in set.



BATTERY

Before driving vehicle, you should inspect position of electrolyte of battery frequently. The position should remain between upper limit and lower limit. But if the position is under the lower limit, you can only add some distilled water.

⚠ WARNING

Electrolyte which contains vitriol and can burn body of person is a poisonous liquid, so you should avoid making it contact skin eyes and clothes etc. If this condition happens, please use a lot of clean water to clean away it as soon as possible.

CAUTION

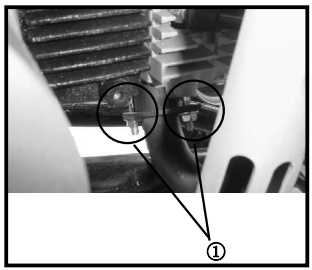
1. When inspecting position of electrolyte of battery and adding distilled water, make sure that vent -pipe contact venthole.
2. Distilled water can only be added to battery, other water will shorten useful life of battery.
3. If electrolyte is above the upper limit, which result in rust of other elements, so you should clean away the overflowing electrolyte as soon as possible.

EXHAUST

⚠ WARNING

The hot exhaust muffler could burn you.

The muffler will be hot enough to burn you after stopping the engine.
Wait until the exhaust muffler cools to remove it.



1. Remove the nuts ① .
2. Start the engine and rev it to blow out the accumulated carbon particles.
3. Stop the engine. Wait until the muffler cool enough ,then replace the nuts and tighten it securely.

⚠ WARNING

Running the engine indoors or in a garage could be hazardous.
Exhaust gas contains carbon monoxide that is colorless and odorless, it could cause severe injury.
Only run the engine outdoors where there is fresh air.

⚠ WARNING

Blowing out the accumulated hot carbon particles where there is flammable material could cause a fire.
Exhausted hot carbon particles Could catch a fire.

⚠ WARNING

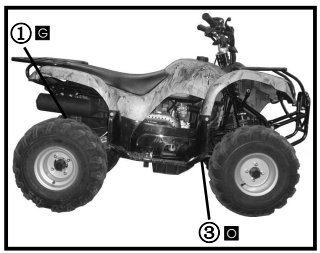
Riding ATV with improperly tightened drain nuts could be hazardous.
Running the engine with a loose drain nuts or without a drain nuts will let hot carbon particles to escape. This can put on a fire.
Tighten the drain nuts securely.

GENERAL LUBRICATION

Proper lubrication is important for safe, smooth operation and long life of your vehicle. Be sure that all lubrication perform during periodic maintenance on the vehicle. Increase intervals when you use your ATV in severe conditions. Your authorized dealer should do general lubrication as shown in the MAINTENANCE CHART. He/She will lubricate the vehicle such as wheel bearings, swing arm bearings, steering shaft holder, cables, etc.

O .....oil

G .....Grease



① Steering shaft holder
② Brake cable
③ Drive chain
④ Throttle cable
⑤ Throttle lever

⚠ WARNING

Indicates a potential hazard that could result in injury or death.

TROUBLESHOOTING

The troubleshooting shot guide is provided to help you to find the cause of some common complaints.

COMPLAINT: Engine is hard to start or does not start at all. Something is probably wrong with the fuel system or ignition system.

CAUTION

Failing to troubleshoot a problem correctly would damage your ATV.
Improper repairs or adjustments may damage the vehicle. Such damage may not be covered under warranty.
If you are not sure about the proper action, consult your dealer about the problem.

Fuel Supplying Check

1 .Make sure there is adequate fuel in the fuel tank.
2 .Check that the engine stop switch is in the "↻ " position.
3.Check that the fuel cock is in the " ON "position.
4.Make sure there is enough fuel reaching the carburetor from the fuel tank.

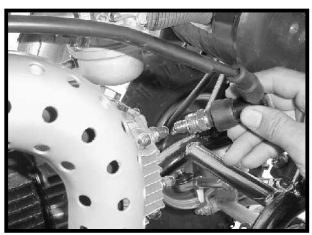
⚠ WARNING

Draining fuel from the carburetor could be hazardous.
Fuel could catch fire if you do not handle it properly.
When draining the carburetor, be sure to shut the engine off. Do not smoke, and never drain or refuel in an area

where there are open flames or sparks. Do not spill the fuel or you may create a fire hazard. Dispose of drained fuel properly.

a. Loosen the drain screw which is located under the carburetor. Drain the fuel from the carburetor into a container.
b. Tighten the drain screw.
c. Run the engine for a few seconds. Shut off the engine.
d. Loosen the drain screw and check that the carburetor is filled back up with fuel.
e. If fuel is reaching the carburetor, the ignition system should be checked next.

Ignition System Check



1. Remove the spark plug and reattach it to the spark plug lead.
2. Push the electric button"⚡" Apply the rear brake lever to make the rear wheels are braked. If the ignition system is operating properly, a blue spark should jump across the spark plug gap. If there is no spark, take your machine to your authorized dealer.

⚠ WARNING

Performing the spark test improperly could be hazardous.
You could get a high voltage electrical shock if you are not familiar with this procedure.

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Do not perform this check if you are not familiar with the procedure . Do not point the spark plug near the spark plug hole during this test. Do not do this test if you have a heart condition or wear a pacemaker.

COMPLAINT: Engine stalls

1 .Make sure there is enough fuel in the fuel tank.
2. Check to see that the spark plug in not fouled. Remove the spark plug and clean it. Replace it, if necessary.
3. Make sure the fuel valve is not clogged. And the fuel tank is not clogged too.
4. Check the idle speed.lf necessary,adjust it using a tachometer.The correct idle speed is 1 400 - 1 600 r/min.

TRANSPORTING

It is best to transport the ATV in the normal position.
Before transporting the ATV drain the fuel from the carburetor as the following:

1. Drain fuel from the carburetor into an empty container by loosening the carburetor drain screw.
2. When the fuel has been drained, retighten the drain screw.

⚠ WARNING

Draining fuel from the carburetor would be hazardous.
Fuel could catch fire if you do not handle it properly.
When draining from the carburetor,be sure to shut the engine off.Do not smoke,and never drain or refuel in an

area where there are open flames or sparks. Do not spill the fuel or you may create a fire hazard.Dispose of the drained fuel properly.

CAUTION

Failing to secure the ATV properly could be hazardous.
Failing to secure the vehicle properly may result in an accident or damage to the vehicle.
When transporting the ATV, lock the parking brake lever and tie down the vehicle securely with straps,rope,or some other suitable means.Use extra tie downs when you transport the vehicle in the standing position.

CLEANING PROCEDURE

A thorough cleaning of your ATV is a necessary part of maintenance it will help keep your ATV looking and performing best.Proper cleaning can also extend the life of your ATV.
It is important to clean and inspect your ATV after every ride, if it is used in mud, brush, grass . water, salt water, or very dusty conditions.
The build-up of mud,brush,grass, etc,especially on the engine and exhaust system,can reduce engine cooling ability,conceal damage,or increase wear of certain parts,It is important to remove all debris during cleaning.

PREPARATION FOR CLEANING

Wash the ATV before any mud dries on the ATV.
Block or seal the end or the exhaust pipe(muffler) using a piece of plastic wrap,cloth rag or another method to prevent water from entering the engine.
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CAUTION

High pressure washers could damage your ATV.
High pressure washers such as those found at coin-operated car washes have enough pressure to damage the parts of your ATV. It may cause rust, corrosion and increase wear.
Do not use high pressure washers to clean your ATV.

WASHING YOUR ATV

With some care, your ATV can be washed in a similar manner to washing an automobile.

NOTE : Avoid spraying or allowing water to flow over the following places:
- Ignition switch.
- Spark plug.
- Fuel tank cap.
- Carburetor.

Use a garden hose at low pressure to remove the majority of dirt or other debris. Hand wash your ATV with mild soap or detergent and water, Try to thoroughly remove all dirt and debris without excessive water pressure, even at remote areas such as between engine cooling fins, linkages or mounting brackets. Cloth rags, washing mitts or cleaning brushes can be used. Be careful with brushes as they may scratch plastic or painted surfaces. Rinse the ATV thoroughly with clean water. Dry all areas using a chamois or soft absorbent cloth.

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INSPECTION AFTER CLEANING

Remove the rags or wrapping from the exhaust pipe. For extended life of your ATV, lubricate according to "GENERAL LUBRICATION" section.

Follow the procedures in the "INSPECTION BEFORE RIDING" section to check your ATV for any problems that may have arisen during your last riding.

⚠ WARNING

Operating ATV with wet brakes could be hazardous.

Wet brakes may not provide as much stopping power as dry brakes. This could lead an accident.

Test your brakes after washing ATV, riding at slow speed. If necessary, apply brake for several times to let the friction limings dry out of the linings.

STORAGE PROCEDURE

If you don't using your ATV for a long time, it will need special service requiring appropriate materials , equipment and skill. For this reason, We recommend that you had better trust this maintenance work to your dealer. If you wish to service the machine for storage yourself, follow the general guidelines below.

VEHICLE

Place the vehicle on level ground and wash the entire vehicle.

FUEL

Drain the fuel from the fuel tank by a hand pump. Drain the fuel from the carburetor by releasing the carburetor drain screw.

⚠ WARNING

Draining the fuel would be hazardous.
Fuel could catch fire if you do not handle it properly.
When draining the fuel from fuel tank, be sure to shut the engin off. Do not smoke, and never drain fuel in an area where there are open flames or sparks. Keep pets and children away fron the fuel, and dispose of the drained fuel properly.

TIRES

Inflate tires to the normal pressure.

EXTERNAL

1 .Spray all vinyl and rubber parts with rubber protection.
2. Spray unpainted surfaces with rust preventative.
3. Coat painted surfaces with car wax.

PROCEDURE FOR RETURNING TO SERVICE

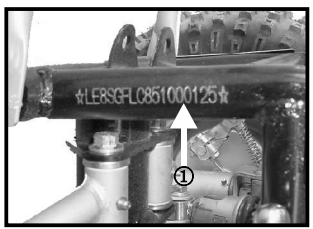
1. Clean the entire vehicle.
2. Make sure that the vehicle is properly lubricated.

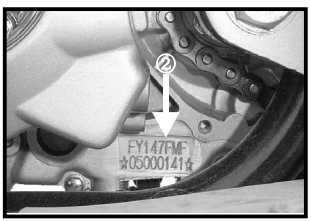
3.Perform the INSPECTION BEFORE RIDING as listed in this manual.
4.Start the vehicle as outlined in this manual.

SERIAL NUMBER LOCATION

You need to know the frame and engine serial numbers to get title documents for your ATV. You also need these numbers to help your dealer when you order parts.

The frame number 1 is stamped on the front of the frame as shown in the photo graph. The engine serial number 2 is stamped on the left side of the crankcase.





Write down the serial numbers here for your future reference.

Frame No:
Engine No:

ATV9O-7 SPECIFICATIONS

DIMENSIONS AND DRY MASS

Overall Length	65.03in(1650mm)
Overall width	35.08in(890mm)
Overall height	41.38in(1050mm)
Wheelbase	37.44in(950mm)
Front tread	26.80in(680mm)
Rear tread	26.01in(660mm)
Ground clearance	3.94in(100mm)
Seat height	26.80in(680mm)
Dry Weight	286lbs(130kg)

ENGINE

Type	four Strokes, air cooled
Number of cylinders	1
Bore□Stroke	47□49.5mm
Displacement	85.9cc
Corrected Compression ratio	8.6:1
Carburetor	MIKUNI JAPAN
Air cleaner	Polyurethane Foam element
Max power	4.6Kw(8500r/min)
Rated power	4.2 Kw(8000r/m in)
Max torque	6.0 N.m (6000 rIm in)

TRANSMISSION

Primary Reduction	4.095
Final Reduction	2.652
Driven Chain	D.I.D482.8Olinks
Front Brake	Drum brake
Rear Brake	Disc brake
Front tire size	19□7-8
Rear tire size	18□9.5-8

ELECTRICAL

Ignition type	CDI
Spark plug	NGK C7HSA

CAPACITY

Fuel tank	8.6L
Engine oil	1L

MAINTENANCE RECORDS ＊This bike's traveled mileage is Kilometers. ＊					
Times	Date	Mileage(km)	Items Maintained		Dealer
1	M D Y	500	Oil		
2	M D Y	1000	Oil / Filter All nuts		
3	M D Y	2000	Oil		
4	M D Y	3000	Oil / Filter		
5	M D Y	4000	Oil		
6	M D Y	5000	Oil / Filter Air Filter		
7	M D Y	6000	Oil		
8	M D Y	7000	Oil / Filter		
9	M D Y	8000	Oil		
10	M D Y	9000	Oil / Filter		

MAINTENCE RECORDS ＊This bike's traveled mileage is Kilometers. ＊					
Times	Date	Mileage(km)	Items Maintained		Dealer
11	M D Y	10000	Oil / Air Cleaner Spark plug / Brake fluid		
12	M D Y				
13	M D Y				
14	M D Y				
15	M D Y				
16	M D Y				
17	M D Y				
18	M D Y				
19	M D Y				
20	M D Y				

RD90 CIRCUIT DIAGRAM